

CLAIM AMENDMENTS

1. (Currently Amended) A method for communicating with a transaction processing system ~~an Information Management System (IMS)~~ using eXtensible Markup Language (XML) documents, the method comprising:

receiving a document comprising ~~an IMS~~ a transaction definition encoded in XML, the transaction definition comprising macro statements that at least in part define a transaction;

obtaining a Document Type Definition (DTD) specifying rules for decoding the ~~IMS~~ transaction definition;

parsing the XML document using the DTD to decode the ~~IMS~~ transaction definition; and

providing the decoded ~~IMS~~ transaction definition to the transaction processing system ~~IMS~~.

2. (Currently Amended) The method of claim 1, wherein the ~~IMS~~ transaction definition comprises an APPLCTN macro.

3. (Currently Amended) The method of claim 1, wherein the ~~IMS~~ transaction definition comprises a TRANSACT macro.

4. (Original) The method of claim 1, wherein the DTD comprises an XML Metadata Interchange (XMI) DTD.

5. (Currently Amended) The method of claim 1, wherein the receiving step comprises receiving the document at transaction processing system ~~an IMS~~ gateway.

6. (Currently Amended) The method of claim 1, wherein the obtaining step comprises:
modeling an ~~IMS~~ transaction definition in a Universal Modeling Language (UML)
to produce a UML object model;

processing the UML object model using an XML Metadata Interchange (XMI) utility to create the DTD.

7. (Currently Amended) The method of claim 1, further comprising:

obtaining ~~an IMS~~ the transaction definition;
obtaining a Document Type Definition (DTD) specifying rules for encoding the ~~IMS~~-transaction definition; and
parsing the ~~IMS~~-transaction definition with the DTD to encode the ~~IMS~~ transaction definition in an XML document.

8. (Currently Amended) A system for communicating with a transaction processing system ~~an Information Management System (IMS)~~ using eXtensible Markup Language (XML) documents, the system comprising:

a document reception module configured to receive a document comprising ~~an IMS~~ a transaction definition encoded in XML, the transaction definition comprising macro statements that at least in part define a transaction;
a parser configured to obtain a Document Type Definition (DTD) specifying rules for decoding the ~~IMS~~-transaction definition and further configured to parse the XML document using the DTD to decode the ~~IMS~~-transaction definition; and
~~an~~ a transaction processing ~~IMS~~-interface module configured to provide the decoded ~~IMS~~-transaction definition to the transaction processing system ~~IMS~~.

9. (Currently Amended) The system of claim 8, wherein the ~~IMS~~-transaction definition comprises an APPLCTN macro.

10. (Currently Amended) The system of claim 8, wherein the ~~IMS~~-transaction definition comprises a TRANSACT macro.

11. (Original) The system of claim 8, wherein the DTD comprises an XML Metadata

Interchange (XMI) DTD.

12. (Currently Amended) The system of claim 8, wherein the document reception module comprises a transaction processing system ~~an IMS~~-gateway.

13. (Currently Amended) The system of claim 8, further comprising:
a modeling tool configured to model ~~an IMS~~ a transaction definition in a Universal Modeling Language (UML) to produce a UML object model; and
an XML Metadata Interchange (XMI) utility configured to process the UML object model to create the DTD.

14. (Currently Amended) The system of claim 8, wherein the parser is further configured to obtain a DTD specifying rules for encoding ~~an IMS~~ a transaction definition as an XML document and to parse the ~~IMS~~-transaction definition using the DTD.

15. (Currently Amended) An article of manufacture comprising a program storage medium readable by a processor and embodying one or more instructions executable by the processor to perform a method for communicating with a transaction processing system ~~an Information Management System (IMS)~~-using eXtensible Markup Language (XML) documents, the method comprising:

receiving a document comprising ~~an IMS~~-transaction definition encoded in XML,
the transaction definition comprising macro statements that at least in part define a transaction;

obtaining a Document Type Definition (DTD) specifying rules for decoding the ~~IMS~~-transaction definition;

parsing the XML document using the DTD to decode the ~~IMS~~-transaction definition; and

providing the decoded ~~IMS~~-transaction definition to the transaction processing system~~IMS~~.

16. (Currently Amended) The article of manufacture of claim 15, wherein the ~~IMS~~ transaction definition comprises an APPLCTN macro.

17. (Currently Amended) The article of manufacture of claim 15, wherein the ~~IMS~~ transaction definition comprises a TRANSACT macro.

18. (Original) The article of manufacture of claim 15, wherein the DTD comprises an XML Metadata Interchange (XMI) DTD.

19. (Currently Amended) The article of manufacture of claim 15, wherein the receiving step comprises receiving the document at a transaction processing system ~~an IMS~~ gateway.

20. (Currently Amended) The article of manufacture of claim 15, wherein the obtaining step comprises:

modeling the ~~IMS~~ transaction definition in a Universal Modeling Language (UML) to produce a UML object model;

processing the UML object model using an XML Metadata Interchange (XMI) utility to create the DTD.

21. (Currently Amended) The article of manufacture of claim 15, the method further comprising:

obtaining ~~an IMS~~ the transaction definition;

obtaining a Document Type Definition (DTD) specifying rules for

encoding the ~~IMS~~ transaction definition; and

parsing the ~~IMS~~ transaction definition with the DTD to encode the IMS transaction definition in an XML document.